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COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
SESSION
0.42 0.42
FULL ESTIMATED COST
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FILE 'EUROPATFULL' ENTERED AT 14:33:48 ON 20 JUN 2003
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FILE 'USPAT2' ENTERED AT 14:33:48 ON 20 JUN 2003
 CA INDEXING COPYRIGHT (c) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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=` s Senzaki, Toshihide/in
'IN' IS NOT A VALID FIELD CODE
L1 6 SENZAKI, TOSHIHIDE/IN
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=` d 11 1-6

L1 ANSWER 1 OF 6 EUROPATFULL COPYRIGHT 2003 WILA

Full

Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

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AI 1302490 EUROPATFULL ED 20030413 EW 200316 FS OS
TIEN HYDROGENATED AROMATIC OLIGOMERS AND PROCESS FOR THEIR PRODUCTION.
TIDE HYDRIERTE AROMATISCHE OLIGOMERE UND VERFAHREN ZU DEREN HERSTELLUNG.
TIFR OLIGOMERES AROMATIQUE HYDROGENES ET LEUR PROCEDE DE FABRICATION.
IN SENZAKI, Toshihide, Nippon Steel Chemical Co., Ltd, 46-80,
Sakinohama, Oaza Nakakaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503,
JP;
IMAMURA, Takahiro, Nippon Steel Chemical Co., Ltd, 46-80, Sakinohama,
Oaza Nakakaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
SHIMISU, Takehiro, Nippon Steel Chemical Co., LTD., 46-80, Sakinohama,
Oaza Nakakaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
NAGAI, Munehito, Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama,
Oaza Nakakaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP
PA Nippon Steel Chemical Co., Ltd., 21-11, Nishi-gotanda 7-chome,
Shinagawa-ku, Tokyo 141-0031, JP
SO Wila-EPC-2003-H16-T1a
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;
R IT; R LI; R LU; R MC; R NL; R PT; R SE; R TR
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)
PI EP 1302490 A1 20030416
OD 20030416
AI EP 2001-949942 20010711
PPAI EP 2000-2600212784 20000713
RLI WO 01-JP6017 010711 INTAKO
WO 02-007365 020124 INTPN
IC ICM C09G014-04
ICS C07L061-34
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L1 ANSWER 2 OF 6 EUROPATFULL COPYRIGHT 2003 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1180507 EUROPEFULL ED 20020304 EW 200208 ES OS
 TIEN PROCESS FOR THE PURIFICATION OF AROMATIC HYDROCARBONS AND PROCESS FOR
 THE PREPARATION OF HIGH-PURITY AROMATIC HYDROCARBONS.
 TIDE VERFAHREN ZUR REINIGUNG VON AROMATISCHEN KOHLENWASSERSTOFFEN UND
 VERFAHREN ZUR HERSTELLUNG VON HOCHREINEN AROMATISCHEN
 KOHLENWASSERSTOFFEN.
 TIFR PROCEDE POUR PURIFIER DES HYDROCARBURES AROMATIQUES ET PROCEDE POUR
 PREPARER DES HYDROCARBURES AROMATIQUES TRES PURS.
 IN SENZAKI, Toshihide Nippon Steel Chemical Co., Ltd., 46-80,
 Sakinohama Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503,
 JP;
 IMAMURA, Takahiro Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama
 Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503, JP;
 TAKAYAMA, Takeshi Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama
 Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503, JP;
 NOGUCHI, Katsuhide Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama
 Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503, JP
 PA Nippon Steel Chemical Co., Ltd., 21-11, Nishi-Gotanda 7-chome,
 Shinagawa-ku, Tokyo 141-0031, JP
 SO Wila-EFZ-2002-H08-T1a
 DS P AT; P BE; P CH; P CY; P DE; P DK; P ES; P FI; P FR; P GB; P GF; P IE;
 P IT; P LI; P LU; P MC; P NL; P PT; P SE
 PIT EP/AL EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)
 PI EP 1180507 A1 20020220
 CD 20020220
 AI EP 2000-921078 20000427
 PRAI JP 1999-133671 19990428
 JP 1999-169374 19990619
 FLI WO 00-072739 001417 INTAKE
 WO 0068521 001169 INTPLR
 IC ICM C07C017-177
 ICS C07C015-24 C07C015-28 C07C015-04 C07C015-02
 C07C015-20
 ICI A01N027-00 C11B009:00

LI ANSWER 3 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2003014223 PCTFULL ED 20030303 EW 200308
 TIEN RESIN COMPOSITION
 TIFR COMPOSITION DE PESINE
 IN SENZAKI, Toshihide, c/o Research & Development Laboratories, Nippon
 Steel Chemical Co., Ltd., 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP];
 IMAMURA, Takahiro, c/o Research & Development Laboratories, Nippon Steel
 Chemical Co., Ltd., 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP]
 PA NIPPON STEEL CHEMICAL CO., LTD., 21-11, Nishi Gotanda 7-chome,
 Shinagawa-ku, Tokyo 141-0031, JP [JP, JP], for all designates States
 except US;
 SENZAKI, Toshihide, c/o Research & Development Laboratories, Nippon
 Steel Chemical Co., Ltd., 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP], for US only;
 IMAMURA, Takahiro, c/o Research & Development Laboratories, Nippon Steel
 Chemical Co., Ltd., 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP], for US only
 AG NARUSE, Katsu, 5th Floor, Central Shintashi Bldg., 11-5,
 Nishi-shintashi 2-chome, Minato-ku, Tokyo 105-0033, JP
 LAF Japanese

LA Japanese
DT Patent
PI WO 2003014223 **AI** 20030210
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CC CR CU CZ
DE DK DM DS EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KE LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NO NZ OM PH PL PT RO RJ SD SE SG SI SK SL TJ TM TN TR TT TE
UA UG US UZ VN TU EA ZM ZW
FW (AIFO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
FW (EPO): AM AZ BY KG KE MD RU TJ TM
FW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GE GR IE IT LU MC NL PT
SE SK TR
FW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2002-JP7861 **A** 20010861
PRAI JP 2001-235168 20010862
ICM C08L061-18
ICS C08L061-34; C08K005-13; F16F015-02

L1 ANSWER 4 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2002006365 PCTFULL ED 20020814
TIEN HYDROGENATED AROMATIC OLIGOMERS AND PROCESS FOR THEIR PRODUCTION
TIFR OLIGOMERES AROMATIQUE HYDROGENES ET LEUR PROCEDE DE FABRICATION
IN SENZAKI, Toshihide;
IMAMURA, Takahiro;
SHIMISU, Takehiro;
NAGAI, Munehito
PA NIPPON STEEL CHEMICAL CO., LTD.;
SENZAKI, Toshihide;
IMAMURA, Takahiro;
SHIMISU, Takehiro;
NAGAI, Munehito
DT Patent
PI WO 2002006365 **AI** 20020124
DS W: CH JP FR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE TR
AI WO 2001-JP6317 **A** 20010711
PRAI JP 2000-2000-212784 20000713
ICM C08G014-04
ICS C08L061-34

L1 ANSWER 5 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2001016199 PCTFULL ED 20020928
TIEN AROMATIC OLIGOMER AND USE THEREOF
TIFR OLIGOMERE AROMATIQUE ET SON UTILISATION
IN SENZAKI, Toshihide;
IMAMURA, Takahiro;
PA NIPPON STEEL CHEMICAL CO., LTD.;
SENZAKI, Toshihide;
IMAMURA, Takahiro;
DT Patent
PI WO 2001016199 **AI** 20010303
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CC CR CU CZ DE
DK DM DS EC ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KE LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN
YU EA EW GH SM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KE
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2000-JP5861 **A** 20000830
PRAI JP 1999-117244432 19990831

JP 2000-2000/200630 20010703
 ICM C08G014-04
 ICS C08L061-34; C09D161-34; C09J161-34

L1 ANSWER 6 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2000066521 PCTFULL ED 20020515
 TIEN PROCESS FOR THE PURIFICATION OF AROMATIC HYDROCARBONS AND PROCESS FOR
 THE PREPARATION OF HIGH-PURITY AROMATIC HYDROCARBONS
 TIFR PROCEDE POUR PURIFIER DES HYDROCARBURES AROMATIQUES ET PROCEDE POUR
 PREPARER LES HYDROCARBURES AROMATIQUES TRES PURS
 IN SENZAKI, Toshihide;;
 IMAMURA, Takahiro;;
 TAKAYAMA, Takeshi;;
 NOGUCHI, Katsuhide;
 PA NIPPON STEEL CHEMICAL CO., LTD.;
 SENZAKI, Toshihide;;
 IMAMURA, Takahiro;;
 TAKAYAMA, Takeshi;;
 NOGUCHI, Katsuhide;
 LA Japanese
 DT Patent
 PI WO 2000066521 A1 20001119
 DS W: CN KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
 SE
 AI WO 2000-066521 A 200011427
 PRAI JP 1999-11/122671 19990426
 JP 1999-11/166374 19990416
 ICM C07C007-177
 ICS C07C015-24; C07C015-28; C07C015-04; C07C015-02; C07C015-26;
 A01N007-00; C11B609-00

=> s aromatic oligomer# and (naphthalene or acenaphthene or fluorene or anthracene or
 L2 67 AROMATIC OLIGOMER# AND (NAPHTHALENE OR ACENAPHTHENE OR FLUORENE
 OR ANTHRACENE OR PHENANTHRENE OR PYRENE OR BENZOTRICPHENE OR
 FLUORANTHENE) AND (PHENOL# OR ALKYLPHENOL#) AND (FORMALIN OR
 FORMALDEHYDE)

=> s 12 and softening point#
 L3 6 L2 AND SOFTENING POINT#

=> d 13 1-6

L3 ANSWER 1 OF 6 EUROPATFULL COPYRIGHT 2003 WILA

Full
Text

PATENT APPLICATION · PATENTANMELDUNG - DEMANDE DE BREVET

AN 1302490 EUROPATFULL EE 20030423 EW 200316 ES OS
 TIEN HYDROGENATED AROMATIC OLIGOMERS AND PROCESS FOR THEIR PRODUCTION.
 TIDE HYDRIERTE AROMATISCHE OLIGOMERE UND VERFAHREN ZU DEREN HERSTELLUNG.
 TIFR OLIGOMERES AROMATIQUE HYDROGENES ET LEUR PROCEDE DE FABRICATION.
 IN SENZAKI, Toshihide, Nippon Steel Chemical Co., Ltd, 46-80, Sakinchama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
 IMAMURA, Takahiro, Nippon Steel Chemical Co., Ltd, 46-80, Sakinochama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
 SHIMISU, Takehiro, Nippon Steel Chemical Co., Ltd., 46-80, Sakinchama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
 NAGAI, Munehiro, Nippon Steel Chemical Co., Ltd., 46-80, Sakinchama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP
 PA Nippon Steel Chemical Co., Ltd., 21-11, Nishi-gotanda 7-chome,

SO Shinagawa-ku, Tokyo 141-0031, JP
 Wila-EPZ-2003-H16-T1a
 DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;
 R IT; R LI; R LU; R MC; R NL; R PT; R SE; R TR
 P1T EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)
 FI EP 1301491 A1 20030416
 SD 20030416
 AI EP 2001-949942 20010711
 FRA1 JP 2000-2000212784 20000713
 F1I WO 01-JP6017 010711 INTAKZ
 WO 02006365 010124 INTPMR
 IC ICM C08G14-04
 ICS C08L061-34

L3 ANSWER 2 OF 6 USPATFULL

Full Claims
 Text References

AN 2003:100346 USPATFULL
 TI **Aromatic oligomer**, phenolic resin composition containing the same, and epoxy resin composition and cured product obtained therefrom
 IN Kaji, Masashi, Fukuoka, JAPAN
 Yonekura, Kiyokazu, Fukuoka, JAPAN
 PI US 2003063357 A1 20030410
 AI US 2001-157053 A1 20021008 (10)
 WO 2001-JP3072 20010410
 DT Utility
 FS AFFLICATION
 LN.CNT 634
 INCL INCLM: 525/107.000
 NCL NCLM: 525/107.000
 IC [7]
 ICM: C08F903-00
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 6 USPATFULL

Full Claims
 Text References

AN 88:24476 USPATFULL
 TI **Aromatic oligomers** and resins
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries plc, United States (non-U.S. corporation)
 PI US 4739032 19880419
 AI US 1987-31787 19870330 (7)
 F1I Division of Ser. No. US 1986-863417, filed on 15 May 1986, now patented, Pat. No. US 4673725 which is a division of Ser. No. US 1985-725347, filed on 19 Apr 1985, now patented, Pat. No. US 4599373 which is a division of Ser. No. US 1983-558525, filed on 6 Dec 1983, now patented, Pat. No. US 4530992
 P1A1 GB 1982-34719 19821206
 GB 1983-14707 19830527
 DT Utility
 FS Granted
 LN.CNT 1489
 INCL INCLM: 528/230.000
 INCLS: 528/232.000; 528/242.000; 528/247.000; 528/248.000; 528/249.000;
 528/250.000; 528/265.000; 528/269.000
 NCL NCLM: 528/230.000
 NCLS: 528/232.000; 528/242.000; 528/247.000; 528/248.000; 528/249.000;
 528/250.000; 528/265.000; 528/269.000
 IC [4]
 ICM: C08G16-04
 EXF 528/230; 528/232; 528/242; 528/247; 528/248; 528/249; 528/250; 528/265;
 528/269
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 6 USPATFULL

Full Citing
Text References

AI 87:43405 USPATFULL
 TI Process for the preparation of **aromatic oligomers**
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
 PI US 4673725 19870616
 AI US 1986-863417 19860515 (6)
 FLI Division of Ser. No. US 1985-725347, filed on 19 Apr 1985, now patented,
 Pat. No. US 4599373 And Ser. No. US 1983-558525, filed on 6 Dec 1983,
 now patented, Pat. No. US 4530992
 PPAI GB 1982-34715 19821206
 GB 1983-14707 19830527
 DT Utility
 FS Granted
 LN.CNT 1485
 INCL INCLM: 524/266.000
 INCLS: 528/232.000; 528/240.000; 528/241.000; 528/265.000; 528/269.000
 NCL NCLM: 528/266.000
 NCLS: 528/232.000; 528/240.000; 528/241.000; 528/265.000; 528/269.000
 IC [4]
 ICM: A61K006-04
 EXF 528/232; 528/240-241; 528/265-266; 528/269
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 6 USPATFULL

Full Citing
Text References

AI 86:74667 USPATFULL
 TI **Aromatic oligomers** and resins
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
 PI US 4599373 19860709
 AI US 1985-725347 19850419 (6)
 FLI Division of Ser. No. US 1983-558525, filed on 6 Dec 1983, now patented,
 Pat. No. US 4530992, issued on 23 Jul 1985
 PPAI GB 1982-34715 19821206
 GB 1983-14707 19830527
 DT Utility
 FS Granted
 LN.CNT 1495
 INCL INCLM: 523/116.000
 INCLS: 560/998.110; 523/117.000; 433/228.100
 NCL NCLM: 523/116.000
 NCLS: 560/998.110; 433/229.100; 523/117.000
 IC [4]
 ICM: A61K006-03
 ICS: A61K005-04
 EXF 523/116; 523/117; 260/998.11; 433/228
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 6 USPATFULL

Full Citing
Text References

AI 85:43295 USPATFULL
 TI **Aromatic oligomers** and resins
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
 PI US 4530992 19850723
 AI US 1983-558525 19831206 (6)
 PPAI GB 1982-34715 19821206
 GB 1983-14707 19830527

DT Utility
FS Granted
LN.CNT 1512
INCL INCLM: 528/232.000
INCLS: 523/103.000; 523/120.000; 525/400.000; 528/242.000; 528/247.000;
528/265.000; 528/269.000
NCL NCLM: 528/232.000
NCLS: 523/103.000; 523/120.000; 525/400.000; 528/242.000; 528/247.000;
528/265.000; 528/269.000
IC [3]
ICM: C08G010-02
ICS: C08G012-02
EXF 528/232; 528/242; 528/247; 528/265; 528/269; 525/400; 523/103; 523/120
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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